

ABSTRACT

An electric machine with a rotor and a stator, in which electric coils and permanent magnets are disposed. These coils and magnets influence each other when the rotor revolves. The magnets are cylindrical and are disposed tangentially on a circumference of the rotor. The coils do not have an iron core and at least one section of the coils extends transversely across the circumference of the rotor. The coils are fitted in the stator individually and are bent so that they extend on both axial sides of the rotor and surround the magnets located in the rotor.

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